

Listing of the claims:

1. (Original) A method for incrementally coding and signalling motion information for a video compression system involving a motion adaptive transform and embedded coding of transformed video samples, said method comprising the steps of:

(a) producing an embedded bit-stream, representing each motion field in coarse to fine fashion; and

(b) interleaving incremental contributions from said embedded motion fields with incremental contributions from said transformed video samples.

Claims 2 - 32 cancelled.

33. (Original) A system for incrementally coding and signalling motion information for a video compression system involving a motion adaptive transform and embedded coding of transformed video samples, said system comprising:

(a) means for producing an embedded bit-stream, representing each motion field in coarse to fine fashion; and

(b) means for interleaving incremental contributions from said embedded motion fields with incremental contributions from said transformed video samples.

34. (Original) A system for estimating and signalling motion information for a motion adaptive transform based on temporal lifting steps, said system comprising:

(a) means for estimating and signalling motion parameters describing a first mapping from a source frame onto a target frame within one of the lifting steps; and

(b) means for inferring a second mapping between either said source frame or said target frame, and another frame, based on the estimated and signalled motion parameters associated with said first mapping.